

AMENDMENTS TO THE CLAIMS:

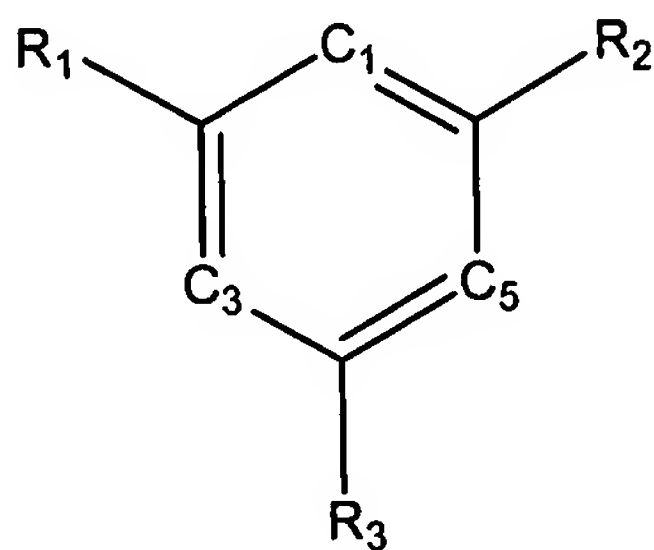
This listing of claims will replace all prior revisions, and listings, of claims in the application.

## Listing of Claims:

Claim 1. (Original) A composition comprising an olivetol derivative complexed with at least one cyclodextrin.

Claim 2. (Original) The composition according to claim 1 wherein the at least one cyclodextrin includes a cyclodextrin selected from the group consisting of natural  $\alpha$ -cyclodextrin,  $\beta$ -cyclodextrin,  $\gamma$ -cyclodextrin or modified synthetic cyclodextrin, such as (2-hydroxy-propyl)- $\beta$ -cyclodextrin, (2-carboxyethyl)- $\alpha,\beta,\gamma$ -cyclodextrin, (2,6-Di-O)-ethyl- $\beta$ -cyclodextrin and (2-hydroxy-ethyl)- $\beta$ -cyclodextrin.

Claim 3. (Original) The composition according to claim 1 wherein the olivetol derivative comprises



wherein  $R_1$  and  $R_2$  are H or an alkyl or alcohol; and wherein  $R_3$  is selected from the group consisting of normal alkyl groups having 1 to about 10 carbons, branched alkyl groups having 1 to about 10 carbons and aryl groups.

Claim 4. (Original) The composition according to claim 1 wherein the olivetol derivative is olivetol.

Claim 5. (Canceled)

Claim 6. (Currently Amended) A process for preparing a cannabinoid compound comprising:

complexing an olivetol derivative with at least one cyclodextrin; and  
reacting at least one terpenoid with the complexed olivetol derivative to  
produce the cannabinoid compound.

Claim 7. (Currently Amended) The process according to claim [[4]] 6 wherein the  
at least one cyclodextrin includes a cyclodextrin selected from the group consisting of  
natural  $\alpha$ -cyclodextrin,  $\beta$ -cyclodextrin,  $\gamma$ -cyclodextrin or modified synthetic cyclodextrin,  
such as (2-hydroxy-propyl)- $\beta$ -cyclodextrin, (2-carboxyethyl)- $\alpha,\beta,\gamma$ -cyclodextrin, (2,6-Di-  
O)-ethyl- $\beta$ -cyclodextrin and (2-hydroxy-ethyl)- $\beta$ -cyclodextrin.

Claim 8. (Currently Amended) The process according to claim [[4]] 6 wherein the  
at least one terpenoid is selected from the group consisting of (-)-verbenol, (+)-  
chrysanthanol, (+)-p-mentha-2,8-diene-2-ol, (+)-trans-2-carene epoxide, (+)-3-carene  
oxide and (+)-p-mentha-2-ene-1,8-diol.

Claim 9. (Currently Amended) The process according to claim [[4]] 6 further  
including maintaining a temperature below room temperature while reacting the at least  
one terpenoid with the complexed olivetol derivative.

Claim 10. (Original) The process according to claim 9 wherein the temperature is  
about 0° C to about 15° C.

Claim 11. (Currently Amended) The process according to claim [[4]] 6 further  
including adding at least one acid catalyst.

Claim 12. (Currently Amended) The process according to claim [[4]] 6 further including quenching the reaction of the at least one terpenoid with the complexed olivetol derivative with a base.

Claim 13. (Currently Amended) The process according to claim [[4]] 6 wherein the cannabinoid is a naturally occurring component of cannabis.

Claim 14. (Currently Amended) The process according to claim [[4]] 6 wherein the cannabinoid is a synthetic analog of cannabis.

Claim 15. (Original) A process for preparing a cannabidiol compound comprising:  
complexing an olivetol derivative with at least one cyclodextrin; and  
reacting at least one terpenoid with the complexed olivetol derivative at a temperature low enough to result in the production of a cannabidiol compound.

Claim 16. (Original) The process according to claim 15 wherein the at least one cyclodextrin includes a cyclodextrin selected from the group consisting of natural  $\alpha$ -cyclodextrin,  $\beta$ -cyclodextrin,  $\gamma$ -cyclodextrin or modified synthetic cyclodextrin, such as (2-hydroxy-propyl)- $\beta$ -cyclodextrin, (2-carboxyethyl)- $\alpha,\beta,\gamma$ -cyclodextrin, (2,6-Di-O)-ethyl- $\beta$ -cyclodextrin and (2-hydroxy-ethyl)- $\beta$ -cyclodextrin.

Claim 17. (Original) The process according to claim 15 wherein the at least one terpenoid is selected from the group consisting of (-)-verbenol, (+)-chrysanthanol, (+)-p-mentha-2,8-diene-2-ol, (+)-trans-2-carene epoxide, (+)-3-carene oxide and (+)-p-mentha-2-ene-1,8-diol.

Claim 18. (Original) The process according to claim 15 further including adding at least one acid catalyst while reacting the at least one terpenoid with the complexed

olivetol derivative, wherein the acid catalyst is selected to result in the formation of the cannabidiol.

Claim 19. (Original) The process according to claim 15 further including quenching the reaction of the at least one terpenoid with the complexed olivetol derivative with a base.

Claim 20. (Original) A process for preparing  $\Delta^9$ -tetrahydrocannabinol comprising:  
complexing olivetol with at least one cyclodextrin; and  
reacting the complexed olivetol with (+)-p-mentha-2,8-diene-1-ol to form  $\Delta^9$ -tetrahydrocannabinol.

Claim 21. (Original) The process according to claim 20 wherein the at least one cyclodextrin includes a cyclodextrin selected from the group consisting of natural  $\alpha$ -cyclodextrin,  $\beta$ -cyclodextrin,  $\gamma$ -cyclodextrin or modified synthetic cyclodextrin, such as (2-hydroxy-propyl)- $\beta$ -cyclodextrin, (2-carboxyethyl)- $\alpha,\beta,\gamma$ -cyclodextrin, (2,6-Di-O)-ethyl- $\beta$ -cyclodextrin and (2-hydroxy-ethyl)- $\beta$ -cyclodextrin.

Claim 22. (Original) The process according to claim 20 further including maintaining a temperature below room temperature while reacting the (+)-p-mentha-2,8-diene-1-ol with the complexed olivetol.

Claim 23. (Original) The process according to claim 20 wherein the temperature is about 0° C to about 15° C.

Claim 24. (Original) The process according to claim 20 further including adding at least one acid catalyst while reacting the (+)-p-mentha-2,8-diene-1-ol with the complexed olivetol.

Claim 25. (Original) The process according to claim 20 further including quenching with the reaction of the (+)-p-mentha-2,8-diene-1-ol with the complexed olivetol with a base.

Claims 26-30. (Canceled)